

Abstract of the Disclosure

A method and system are provided to perform a process of managing communications in an environment including a work machine having one or more on-board data links connected to one or more on-board modules and a gateway, and one or more off-board data links connected to one or more off-board systems and the gateway. In one embodiment, the process includes receiving a request generated by a first off-board system and transmitted on a first off-board data link and invoking a firewall application that performs a firewall process. The firewall process may include identifying a destination device associated with the request and determining whether the request is authorized based on a profile associated with the first off-board system. Also, the process may include determining whether the request includes a parameter identifier that matches a parameter identifier included in a memory location maintained by the gateway, and based on the profile and parameter identifier determinations, denying or granting access to proprietary information associated with the work machine.